

CLAIMS

1. A jaw crusher (10) having two jaws (11, 12) which define an upwardly open crushing chamber (13) for receiving crushable material and a discharge opening (14) between the lower ends (15, 16) of the jaws (11, 12) for discharging crushed material, in which:

the jaws (11, 12) are relatively movable so as to vary the size of the crushing chamber (13) and apply a working action and a relieving action on the crushable material; each jaw (11, 12) has a durable facing surface (21, 20) which is engagable with the crushable material; and

a set (21) of interconnected jaw plates (27) is provided for at least one of the jaws (11) and is arranged so that at least some of the jaw plates (27) form at least part of the facing surface of the jaw (11), said set (21) of jaw plates being movably mounted on the jaw (11).

2. A jaw crusher according to claim 1, in which the set (21) of interconnected jaw plates (27) is movable throughout the facing surface of the jaw (11).

3. A jaw crusher according to claim 2, in which the movement throughout the facing surface of the jaw (11) is downward movement.

4. A jaw crusher according to claim 2, in which the movement of the set (21) of jaw plates (27) is transverse movement in a direction from front to rear, or rear to front, with respect to the crushing chamber (13).

5. A jaw crusher according to any one of claims 1 to 4, in which the set (21) of jaw plates (27) forms an endless array which is guided to move along an endless track (22).

6. A jaw crusher according to claim 5, in which the track (22) is mounted on the front and rear faces of a beam (23) of the jaw (11).

7. A jaw crusher according to any one of the preceding claims, in which each jaw plate (27) is arranged to be easily mountable in, or removable from the set (21) of interconnected jaw plates, so that replacement can easily be carried out.

8. A jaw crusher according to any one of the preceding claims, in which the set (21) of interconnected jaw plates (27) is mounted on a fixed jaw (11) of a crusher (10), the other jaw (12) being movable to and fro under the action of an eccentric drive mechanism (17, 18) relative to the fixed jaw (11).

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9. A jaw crusher according to claim 8, in which the movable jaw (12) is coupled with a double toggle linkage (19).

10. A jaw crusher according to claim 1, in which the set (21) of jaw plates is continuously movable downwardly with respect to the facing surface of the jaw, to assist in pulling downwardly the material which is located between the jaws.

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